# LOYOLA UNIVERSITY BULLETIN

Vol. XXIV JULY, 1942 No. 5


## COLLEGE OF ARTS AND SCIENCES

## DEPARTMENT OF MEDICAL TECHNOLOGY

## SESSION BULLETIN
## 1941 - 1942

## SESSION ANNOUNCEMENTS
## 1942 - 1943


LOYOLA UNIVERSITY

6363 St. Charles Avenue

New Orleans, La.

LOYOLA UNIVERSITY BULLETIN

Vol. XXIV July, 1942 No. 5

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Loyola University, Incorporated April 15, 1912. Authorized to grant degrees by The General Assembly of Louisiana for the year 1912.

The Legal and Corporate Title of the University is
"Loyola University, New Orleans, La."

All donations, endowments, legacies, bequests, etc., should be made under this title.

# COLLEGE OF ARTS AND SCIENCES

## DEPARTMENT OF MEDICAL TECHNOLOGY

## SESSION BULLETIN

1941 - 1942

## SESSION ANNOUNCEMENTS

1942 - 1943

LOYOLA UNIVERSITY
6363 St. Charles Avenue
NEW ORLEANS, LA.

# 1942 - CALENDAR - 1942

**JANUARY**

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**FEBRUARY**

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**NOVEMBER**

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# 1943 - CALENDAR - 1943

**JANUARY**

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**FEBRUARY**

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**MARCH**

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**JUNE**

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**JULY**

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**AUGUST**

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**SEPTEMBER**

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**OCTOBER**

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**NOVEMBER**

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**DECEMBER**

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# SESSION CALENDAR—1942-1943

First Semester

1942

Sept. 14, 15,
Monday, Tuesday.....Examinations for Entrance and Removal of Conditions.

Sept. 18, Friday.....Registration for Freshmen.

Sept. 19, Saturday.....Registration for Sophomores.

Sept. 21, Monday.....Registration of Upper Division Students.

Sept. 22, Tuesday.....Regular Session of Academic Year Begins.

Oct. 1, Thursday.....Latest Date for Changes in Registration and Delayed Registration.

Oct. 9, Friday.....Mass of the Holy Ghost, 9:45 A. M., Holy Name Church;'University Convocation, 11:00 A. M., Holy Name Auditorium.

Nov. 20, Friday.....Mid-Semester Advisory Reports.

Nov. 26, Thursday.....Thanksgiving Day; No Classes.

Dec. 8, Tuesday.....Solemnity of the Immaculate Conception; No Classes.

Dec. 23, Wednesday.....University Convocation, 11:00 A. M.; Christmas Vacation Begins After Last Scheduled Class.

## 1943

Jan. 4, Monday.....Classes Resumed.

Jan. 14, Thursday.....First Semester Examinations Begin.

### Second Semester

Jan. 25, Monday.....Second Semester Begins.

Feb. 5, 6,
Friday, Saturday.....Examinations for Removal of First Semester Conditions.

Feb. 18, Thursday.....University Convocation, 11:00 A.M.

March 1, Monday.....Theses Due in Final Form for Candidates for Degrees To Be Conferred in May, 1943.

March 24, 25, 26,
Wed., Thur., Fri.....Annual Retreat for All Students.

March 26, Friday.....Mid-Semester Advisory Reports.

April 15, Thursday.....University Convocation, 11:00 A. M.

April 21, Wednesday.....Easter Recess Begins After Last Class Scheduled in Day School.

April 26, Monday.....Classes Resumed.

May 3, Monday.....Second Semester Examinations Begin.

May 16, Sunday.....Baccalaureate Services, 11:00 A. M.

May 17, Monday.....Commencement Exercises, 8:00 P. M.

June 4, 5,
Friday, Saturday.....Registration for Summer Term.

June 7, Monday.....Convocation; Classes for Summer Term Begin.

Aug. 27, Friday.....End of Summer Term.

# COLLEGE OF ARTS AND SCIENCES

Founded in 1912

## BOARD OF DIRECTORS

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Rev. Thomas A. Carey, S.J., A.M., *Vice-Chairman*
Rev. James J. Wallace, S.J., A.M., *Secretary*
Rev. Warren J. Barker, S.J., A.M.
Rev. Francis A. Cavey, S.J., S.T.D.
Rev. Michael J. Walsh, S.J., A.M.
Rev. James F. Whelan, S.J., Ph.D.

## OFFICERS OF ADMINISTRATION

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Rev. Warren J. Barker, S.J., A.M., *Dean*
Rev. D. Ross Druhan, S.J., Ph.D., *Associate Dean*
Rev. Francis L. Janssen, S.J., A.M., *Assistant Dean*
Rev. Thomas A. Carey, S.J., A.M., *Secretary*
Rev. Francis A. Cavey, S.J., S.T.D., *Treasurer*
Rev. Edward T. Cassidy, S.J., A.M., M.S., S.T.L., *Dean of Men*
Miss Margaret E. Carey, *Registrar Emerita; Historian of the University*
Miss Carmel V. Discon, A.M., *Registrar*
Miss Virginia Ryan, B.S.
Mrs. Lena Marcy, Ph.B., B.S., in L.S., *Librarian*
Miss Harriet M. Lemann, A.B., B.S., in L.S., *Assistant Librarian*
Mr. Guy J. Knobloch, *Bursar*

# FACULTY OF THE DEPARTMENT OF MEDICAL TECHNOLOGY

John G. Arnold, Jr., A.M., Ph.D.* Chairman of Department and Director of Academic Training

A.B., Ohio State University, 1930; A.M., Wesleyan University, 1932; Ph.D., New York University, 1934.

Assistant Parasitologist, 1931-1932; Biological Survey, New York State Conservation Department.

Graduate and Research Assistant, Wesleyan University, 1931-1932; Teaching Fellow, New York University, 1932-1934; Instructor, summer of 1934, College of the City of New York; Professor of Biology and Chairman of the Department, Loyola University, 1934—; Chairman, Department of Medical Technology, Loyola University, 1935—.

Membership in Learned Societies: The American Association for the Advancement of Science; The American Society of Parasitologists; Catholic Round Table of Science; The American Microscopic Society; The New Orleans Academy of Sciences; New Orleans Society of Plant Sciences; Beta Lambda Sigma, New York University Honorary Biology Society; Sigma Xi; Theta Beta, National Honor Biology Society; Blue Key, National Honor Service Society; National Catholic Educational Association; Beta Epsilon Upsilon.

Major Field of Research: Parasitology.

James Thomas Nix, A.M., M.D. Assistant Director of Academic Training

B.S., Tulane University, 1906; M.D., ibid., 1910; A.M., Loyola University, New Orleans, 1918; LL.D., ibid., 1924.

Instructor in Chemistry, Tulane University, 1905-1906; Instructor in Clinical Microscopy, ibid., 1909-1910; Instructor in Clinical Surgery, Surgical Staff, Rudolph Matas, M.D., ibid., 1912-1915; Professor of General Surgery, Loyola University, School of Dentistry, 1926—; Professor of Surgery and Head of the Department, Graduate School of Medicine, Louisiana State University Medical Center, New Orleans, 1931—; Director of the Graduate School of Medicine, ibid., 1936—.

Membership in Learned Societies: Fellow, American College of Surgeons; Fellow, Southeastern Surgical Congress; American Medical Association; Louisiana State Medical Society; Catholic Hospital Association; Southern Medical Association; Illinois Clinical Club (honorary); Lafourche Valley Medical Society (honorary); Phi Beta Pi, Medical Fraternity; Seventh District Medical Society (honorary); Beta Theta Pi, Academic Fraternity; Advisor of Catholic Hospital Association; Catholic Physicians' Guild of New Orleans; New Orleans Graduate Medical Assembly; Past President, Orleans Parish Medical Society; President, Catholic Physicians' Guild of New Orleans; Blue Key, National Honor Service Society; Theta Beta, National Honor Biology Society.

Major Field of Research: Investigations in Cancer.

*On leave of absence.

Aldea Maher, A.M., M.D. Director of Hospital Training, Professor of Physiological Chemistry

A.B., Newcomb College, Tulane University, 1913; A.M., Tulane University, 1914; M.D., ibid., 1919.

Interneship, Charity Hospital, New Orleans, 1919-1920; Pathologist, Women's Dispensary, 1919-1920; Instructor, Laboratory Clinical Medicine, Tulane University, 1920-1923; Director, Pan-American Laboratory, 1923—; Associate Pathologist, Hotel Dieu, 1920—; Professor of Physiological Chemistry, Loyola University, 1930—; Professor of Chemistry, Hotel Dieu Training School for Nurses; Active Staff of Hotel Dieu.

Membership in Learned Societies: American Medical Association; Louisiana State Medical Society; Orleans Parish Medical Society; Women's National Medical Association; American Society of Clinical Pathologists; Alpha Omega Alpha, Honorary Fraternity; Stars and Bars.

Major Field of Research: Clinical Pathology.

Margaret P. H. Bowden, M.D.* Professor of Medical Technology

M.D., Tulane University, 1919.

Interneship, Charity Hospital, 1919-1920; Assistant in Department of Pathology, Tulane University, 1921-1923; Assistant Pathologist, Touro Infirmary, 1920-1923; Pathologist, Charity Hospital, 1923-1927; Co-director, Pan-American Laboratory, 1923-1927; Private Laboratory, 947 Canal Bank Building, 1927—; Active Staff, Touro Infirmary

Membership in Learned Societies: American Medical Association; Louisiana State Medical Society; Orleans Parish Medical Society; Women's National Medical Association; American Society of Clinical Pathologists; Alpha Omega Alpha; Stars and Bars.

Major Field of Research: Clinical Pathology.

Rev. Edward T. Cassidy, S.J., A.M., M.S. Dean of Men, Chairman of Religion Department, and Professor of Religion

A.B., Gonzaga University, 1919; A.M., Gonzaga University, 1920; M.S., Loyola University, 1924.

Professor of Physics, Loyola University, 1920-1922; Professor of Religion, Spring Hill College, 1929-1935; Spiritual Director, St. Michael Batticalao, Ceylon, India, 1935-1937; Professor of Religion and Regent of the College of Pharmacy, 1937—; Dean of Men and Chairman of the Department of Religion, 1938—.

Membership in Learned Societies: Catholic Philosophical Society.

Major Field of Research: The Classics.

Rev. George A. Francis, S.J., A.M., Ph. D. Chairman of Chemistry Dept. and Professor of Chemistry

A.B., Woodstock College, 1918; A.M., St. Louis University, 1919; Ph.D., Fordham University, 1922.

Teacher, College of the Immaculate Conception, 1912-1914; Professor and Chairman of the Chemistry Department, Loyola University, New Orleans, 1923—.

Membership in Learned Societies: American Chemical Society; New Orleans Academy of Sciences.

Major Fields of Research: Biochemistry and Organic Chemistry.

*Deceased.

James Amedée Gaudet, M.D. — Professor of Medical Technology

M.D., Tulane University, 1922.

Student Assistant in Anatomy, Department of Dentistry, Tulane University, 1919-1920; Student Assistant in Neurology, Tulane University, 1920; Director of Clinical Pathology, James T. Nix, Clinic, 1922—.

Membership in Learned Societies: Fellowship, American Medical Association, 1923-1933; Southern Medical Association, 1923-1930; American Medical Association, 1923-1935; Orleans Parish Medical Society, 1923-1933; Louisiana State Medical Society, 1923-1933; Theta Beta, National Honor Biology Society.

Major Field of Research: Clinical Pathology.

George Hauser, M.D. — Professor of Medical Technology

M.D., Tulane University, 1915.

Interneship, Charity Hospital, 1916-1917; City and State Boards of Health, Assistant Bacteriologist and Pathologist, 1917; Pathologist, Charity Hospital, 1924-1928; Pathologist, Illinois Central Hospital 1919-1923; Director and Pathologist, Mercy Hospital, 1924—; Assistant Coroner, 1924-1928; Private Laboratory, 727 Audubon Building, 1918—; Active Staff, Mercy Hospital and Hotel Dieu; Professor of Bacteriology and Pathology, Loyola Post Graduate School of Medicine; Bacteriology and Laboratory Technique; Mercy Hospital Nursing School.

Membership in Learned Societies: American Medical Association; Louisiana State Medical Society; Orleans Parish Medical Society; Southern Medical Society; American Society of Clinical Pathologists; Alpha Omega Alpha; Stars and Bars.

Major Field of Research: Clinical Pathology.

Rev. Francis L. Janssen, S.J., A.M. — Assistant Dean and Professor of Philosophy

A.B., Gonzaga University, 1922; A.M., ibid., 1923; A.M., Loyola University, 1932.

Professor of Latin and French, Loyola University, 1922-1924; Instructor, Spring Hill College, 1924-1925; Professor of English and Latin, Loyola University, 1929-1930; Regent and Professor of French and Religion, Loyola University, 1931-1932; Chairman, Department of Modern Languages, Spring Hill College, 1932-1937; Assistant Dean and Professor of Philosophy and French, Loyola University, 1937—.

Membership in Learned Societies: Catholic Philosophical Association.

Rev. Karl A. Maring, S.J., A.M., Ph.D. — Chairman of Dept. of Physics and Professor of Physics

A.B., Woodstock College, 1915; A.M., ibid., 1916; Ph.D., St. Louis University, 1932.

Instructor Spring Hill High School, 1916-1918; Professor of Chemistry, St. Charles College, 1918-1921; Instructor in Physics, Spring Hill College, 1925-1928; Teaching Fellow, St. Louis University, 1928-1931; Professor of Physics and Chairman of the Department, Loyola University, 1931—.

Membership in Learned Societies: American Mathematical Society; Board of Southern Intercollegiate Mathematical Association; New Orleans Academy of Sciences; American Association for the Advancement of Science.

Major Field of Research: Light and Atomicphysics.

Rev. Eugene J. O'Connor, S.J., A.M., Ph. D. Professor of English and Chairman of Department of English

A.B., Woodstock College, 1911; A.M., St. Louis University, 1912; A.M., Loyola University, 1920; Ph.D., Georgetown College, 1913.

Instructor, St. Charles College, 1913-1914; Instructor, Spring Hill College, 1914-1917; Teacher, Jesuit High School, 1922-1923; Principal, Tampa Jesuit High School, 1924-1926; Instructor of English, 1926-1928; Associate Professor of English, ibid., 1928-1930; Professor of English and Chairman of English Department, ibid., 1930—.

Membership in Learned Societies: Modern Language Association.

Major Field of Research: Classics.

Rev. Charles J. Quirk, S.J., A.M. Professor of English

A.B., Woodstock, 1914; A.M., St. Louis University, 1937.

Instructor, St. Louis University, 1936-1937; Professor, Spring Hill College, 1937-1939; Professor of English, Loyola University, 1939—.

Membership in Learned Societies: Poetry Society of America; Poetry Society of Alabama.

Major Field of Research: Poetry.

Walter E. von Kalinowski, A.M., Ph. D. Associate Professor of German

Royal Gymnasium Kreuznach (Germany), 1911; Lieutenant-Patent and Diploma, Imperial German Academy of War, 1912; A.B. (cum laude), Mississippi College, 1923; A.M., ibid., 1924; Ph.D., St. Louis University, 1933.

Graduate Assistant, State University of Iowa, summers, 1924-1926; University of Heidelburg (Germany), 1928-1929; University of Marburg (Germany), 1936; Instructor and Assistant Professor of Modern Languages, Mississippi College, 1923-1925; Professor of Classical Languages, Judson College, 1925-1926; Professor of Modern Languages, Westminster College, 1926-1928; Instructor in German and Acting Chairman, Department of Music, St. Louis University, 1929-1936; Assistant Professor of German, Loyola University, 1937-1940; Associate Professor, ibid, 1940—.

Membership in Learned Societies: American Association of Teachers of German; Classical Association of the Middle West and South; Modern Language Association; Missouri Academy of Science, Philological section; Association of American University Professors; Alpha Sigma Nu, Jesuit Honor Society; Corresponding member for the Zeitshrift für das Deutsche Altertum, Heidelberg (Germany); Moderator, German Society, Loyola University; Missouri Association of Modern Language Teachers.

Major Field of Research: German Linguistics.

Edmond L. Merilh, M.S. Associate Professor of Biology

B.S., Spring Hill College, 1917; Certificate of Bacteriology and Pathology, Loyola University, 1922; M.S., Loyola University, 1923.

Instructor in Biology, Loyola University, 1919-1922; Associate Professor of Biology, ibid., 1922—.

Membership in Learned Societies: The Louisiana Academy of Sciences; The American Association for the Advancement of Science; The Catholic Round Table of Science; The American Pharmaceutical Association; Member of the Board, Eye, Ear, Nose and Throat Hospital; New Orleans Academy of Science; American Microscopical Society; Phi Rho Sigma Fraternity; Theta Beta, National Honor Biology Society; Louisiana Department of Conservation; Moderator of Agramonte Society; National Catholic Educational Association.

Major Field of Research: Pathogenic Bacteriology.

J. Henri Amiel, M.A., Ph.D. Associate Professor of French and Chairman of the Department

A.B., College of William and Mary, 1930; A.M., University of Illinois, 1933; Ph.D., ibid., 1939.

Instructor, College of William and Mary, 1927-1931; Assistant Professor, University of Illinois, 1931-1939; Assistant Professor, Ohio State University, 1939-1940; Assistant Professor, University of Alabama, 1940-1941; Assistant Professor, Loyola University, 1941-1942; Associate Professor and Chairman of the Department, 1942—.

Membership in Learned Societies: Modern Foreign Language Association; American Association of Teachers of French; Societe des Professeurs Francais en Amerique; American Association of University Professor; South Central Association.

Major Field of Research: French Literature.

Paul F. Bailey, M.S. Assistant Professor of Chemistry

B.S., Loyola University, 1926; M.S., ibid., 1940.

Professor of Chemistry, Jesuit High School, 1926-1928; Assistant Professor of Chemistry, Loyola University, 1930—.

Membership in Learned Societies: New Orleans Academy of Sciences; Theta Beta, National Honor Biology Society.

Major Field of Research: Chemistry.

Rev. Paul L. Callens, S.J., A.M. Assistant Professor of Romance Languages

A.B., Mount St. Michael's, 1919; A.M., ibid., 1920.

Instructor, Jesuit High School, New Orleans, 1920-1923; Instructor, Grand Coteau College, 1927-1928, 1938-1939; Instructor, St. John's College, 1933-1935; Instructor, Jesuit High School of Tampa, 1935-1936; Instructor, Spring Hill College, 1937-1938; Assistant Professor of Romance Languages, Loyola University, 1939—.

Major Field of Research: Classics.

Timothy L. Duggan, M.S., M.T.* Assistant Professor of Medical Technology

A.B., Loyola University, 1929; M.S., ibid., 1936; Registered Medical Technician, American Society of Clinical Pathologists, 1940.

Graduate Assistant, Loyola University, 1934-1936; Instructor, ibid., 1936-1940; Assistant Professor of Medical Technology, ibid., 1940—.

Membership in Learned Societies: Theta Beta, National Honor Biology Society; New Orleans Academy of Science; Catholic Round Table of science; Beta Epsilon Upsilon.

Major Field of Research: Bacteriology and Medical Technology.

Gerald J. Eberle, A.M. Assistant Professor of English

A.B., St. Norbert College, 1934; A.M., University of Wisconsin, 1936.

Instructor, St. Norbert High School, 1932-1934; Instructor, St. Norbert College, 1934-1935; Instructor of English, Loyola University, 1935-1940; Assistant Professor of English, ibid., 1940—.

Major Field of Research: English.

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*On leave of absence.

Harry T. Fleddermann, Ph.D. — Assistant Professor of Physics

B.S., Spring Hill College, 1929; B.M.E., University of Detroit, 1931; M.S., Louisiana State University, 1937; Ph.D., ibid., 1940.

Assistant Professor of Physics, Loyola University, 1932—.

Membership in Learned Societies: American Mathematical Society; Mathematical Association of America; Phi Kappa Phi.

Major Field of Research: Mathematics.

Mark Daniel Horne, A.M., Ph.D. — Assistant Professor of English

Ph.B., Loyola University, 1934; A.M., Louisiana State University, 1935; Ph.D., ibid., 1939.

Instructor in English, Alcee Fortier High School, 1935; Teaching Fellow in English, Louisiana State University, 1936-1938; Instructor of English, Loyola University, 1938-1941; Assistant Professor of English, ibid., 1941—.

Major Field of Research: English.

Jose O. Monasterio, C.E. — Assistant Professor of Mathematics

C.E., Chapultepec Military Academy, 1903.

Membership in Learned Societies: American Mathematical Society; American Society for the Advancement of Science; New Orleans Academy of Sciences.

Major Field of Research: Mathematics.

Walter G. Moore, A.M., Ph.D. — Acting Chairman of Department and Director of Academic Training

A.B., Wayne University, 1934; A.M., University of Minnesota, 1938; Ph.D., ibid., 1940.

Assistant Biologist, U. S. Forest Service, Summer, 1935; Assistant Biologist, Minnesota Department of Conservation, Summers, 1937-40.

Laboratory Assistant in Zoology, Wayne University, 1931-1934; Instructor in Zoology, Wayne Freshman College, 1934-1935; Teaching Assistant in Zoology, University of Minnesota, 1935-1940; Instructor in Biology, Loyola University, 1940-1941; Assistant Professor in Biology, ibid., 1941—; Acting Chairman, Department of Biology and Medical Technology, ibid., 1942—.

Membership in Learned Societies: Minnesota Academy of Science; New Orleans Academy of Science; New Orleans Society of Plant Sciences; Limnological Society of America; Ecological Society of America; American Microscopical Association; American Society of Ichthyologists and Herpetologists; American Association for the Advancement of Science; Sigma XI; Theta Beta, National Honor Biology Society; Gamma Alpha, Graduate Scientific Fraternity.

Major Field of Research: Aquatic Ecology and Limnology.

Werner Peiser, Ph.D. — Assistant Professor of Spanish

A.B., Classic School at Berlin, 1914; Ph.D., University of Greifswald, 1921; Diploma in Languages, Literature, History, History of Art, University of Perugie, Italy, 1932.

President of Junior College, Florence, Italy, 1933-1938; Guest Professor, University of Rome, 1931-1939; Professor, Riverside Military Academy; Assistant Professor, Loyola University, 1939—.

Membership in Learned Societies: Modern Foreign Language Association; Southern Foreign Language Association; International Philosophical Societies (Representative in United States).

Major Field of Research: Languages.

Rev. Louis G. Soniat, S.J., A.M. Assistant Professor of French

A.B., Gonzaga University, 1925; A.M., ibid., 1926.
Instructor in English, University of Tientsin, China, 1928-1930; Assistant Professor of French, Loyola University, 1935—.
Major Field of Research: French.

Rev. Henry Allain St. Paul, S.J., A.M. Assistant Professor of Philosophy

A.B., Gonzaga University, 1921; A.M. (Philosophy), ibid., 1922; A.M. (History), St. Louis University, 1934.
Instructor, Spring Hill High School, 1922-1926; Instructor of History, Loyola University, 1931-1932; Instructor of History, St. Louis University, 1932-1934; Professor of History, Spring Hill College, 1935-1936; Assistant Professor of History, Loyola University, 1937—.
Major Field of Research: History and Philosophy.

Rev. William H. Babb, S.J., A.M., S.T.L. Instructor of Philosophy

A.B., Gonzaga University, 1928; A.M., ibid., 1929; S.T.L., St. Mary's College of St. Louis University, 1941.
Instructor Jesuit High School, 1929-1932, 1936-1937; Instructor of Philosophy, Loyola University, 1939—.
Major Field of Research: Philosophy.

Rev. William G. Coyle, S.J., A.M., S.T.L. Instructor of French

A.B., Gonzaga University, 1929; A.M., ibid., 1930; S.T.L., St. Mary's College of St. Louis University, 1941.
Instructor of Languages, Jesuit High School, 1933-1934; Instructor, Spring Hill High School, 1930-1932; Instructor of French, Loyola University, 1939—.
Major Field of Research: French.

Leonardo C. DeMorelos, A.M., Ph.D. Instructor of Spanish

A.B., University of California at Los Angeles, 1934; A.M., ibid., 1935; Ph.D., ibid., 1941.
Assistant Professor of Spanish and French, Armstrong Junior College, 1936-1937; Instructor of Spanish, Loyola University, 1937—.
Membership in Learned Societies: Junior College Association of Northern California; Sigma Delta Pi, National Spanish Honor Society.
Major Field of Research: Spanish.

John I. Daspit, M.S.* Instructor of Physics

B.S., Loyola University, 1937; M.S., Louisiana State University, 1940.
Instructor, Jesuit High School, 1938-1939; Teaching Fellow, Louisiana State University, 1937-1938, 1939-1940; Instructor of Physics, Loyola University, 1940—.
Membership in Learned Societies: American Association for the Advancement of Science.
Major Field of Research: Electronics.

Rev. Loyd F. Hatrel, S.J., A.M., S.T.L. Instructor of Religion

A.B., Gonzaga University, 1929; A.M., ibid., 1930; S.T.L., St. Mary's College of St. Louis University, 1941.
Instructor, Jesuit High School, 1930-1931, 1932-1934; Instructor, Tampa College, 1931-1932; Instructor of Religion, Loyola University, 1939—.
Major Field of Research: Classics.

*On leave of absence.

John L. Kron, Jr., M.D.* Instructor of Medical Technology

B.S., Loyola University, 1935; B.M., Louisiana State University, 1938; M.D., ibid., 1939.

Instructor of Medical Technology, Loyola University, 1940—.

Membership in Learned Societies: Beta Zeta Chapter, Phi Beta Pi; Orleans Parish Medical Society; Louisiana Medical Society; American Medical Association; Theta Beta, National Honor Biology Society.

Major Field of Research: Medicine.

Rev. Thomas F. Maher, S.J., A.M. Instructor of English

A.B., Gonzaga University, 1924; A.M., ibid., 1925.

Instructor, Jesuit High School of Tampa, 1925-1926; Instructor, Jesuit High School of New Orleans, 1926-1928; Instructor, St. John's College, 1933-1937; Instructor of English, 1937—.

Membership in Learned Societies: National Association of Teachers of Speech; Southern Association of Teachers of Speech.

Major Field of Research: English.

Rev. Jerome Mullin, S.J., A.M., S.T.L. Instructor of Philosophy

A.B., Gonzaga University, 1929; A.M., Gonzaga University, 1930; LL.M., St. Lawrence University, 1911; S.T.L., St. Mary's College of St. Louis University, 1941.

Teacher, Tampa College High School, 1936-1937; Loyola University, 1930-1931; Loyola University, 1939-1940.

Major Field of Research: Philosophy.

Rev. Richard D. Needham, S.J., A.M., S.T.L. Instructor of Religion

A.B., Loyola University, 1920; A.M., Gonzaga University, 1921; S.T.L., Woodstock College, 1926.

Teacher, Spring Hill High School, 1921-1922; Instructor of Religion and Mathematics, Spring Hill College, 1927-1931; Faculty, Jesuit High School, 1931-1937; Instructor of Religion, Loyola University, 1937—.

Major Field of Research: Religion.

H. A. Schuyten, M.S. Instructor of Chemistry

B.S., Loyola University, 1936; M.S., University of Detroit, 1938.

Instructor of Chemistry, University of Detroit, 1938-1940; Instructor of Chemistry, Loyola University, 1940—.

Membership in Learned Societies: American Chemical Society.

Major Field of Research: Organic Chemistry.

Rev. Edward W. Shields, S.J., A.M., S.T.L. Instructor of Philosophy

A.B., Gonzaga University, 1929; A.M., ibid., 1930; S.T.L., St. Mary's College of St. Louis University, 1941.

Instructor, Jesuit High School, 1930-1934; Instructor of Philosophy, Loyola University, 1939—.

Membership in Learned Society: Catholic Philosophical Association.

Major Field of Research: Philosophy.

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*On leave of absence.

Elise Ujffy, A.B. — Instructor of Medical Technology

A.B., Newcomb College, Tulane University, 1924.

Instructor, Department of Pathology, Charity Hospital, one and a half years; Teacher of Biology, Miller's School, one year; Teacher of Mathematics, Gretna High School, one year; Medical Technician, Hotel Dieu, 1928—.

Major Field of Research: Clinical Pathology.

Rosalie Guiffria, M.T. — Assistant Instructor of Medical Technology

Assistant, Loyola University, 1924; Charity Hospital, 1925; Medical Technician, Mercy Hospital, 1926—; Assistant Instructor, Loyola University, 1935—.

Major Field of Research: Clinical Pathology.

Catherine G. Goetz, B.S. in M.T., M.T. — Instructor of Medical Technology

B.S. in M.T., Loyola University, 1939; Registered Medical Technician, American Society of Clinical Pathologists, 1939.

Medical Technologist, Hotel Dieu, 1939-1940; Medical Technologist, Loyola University, 1940—.

Membership in Learned Societies: New Orleans Society of Medical Technology; Theta Beta, National Honor Biology Society; Beta Epsilon Upsilon, National Medical Technology Society.

Major Field of Research: Clinical Pathology.

Lucien C. Delery, M.D. — Instructor in Medical Technology

B.S., Loyola University, 1935; B.M., Louisiana State University, 1938; M.D., ibid, 1939.

Instructor of Medical Technology, Loyola University, 1941—.

Membership in Learned Societies: Beta Zeta Chapter, Phi Beta Pi; Orleans Parish Medical Society; Louisiana State Medical Society; American Medical Association; Secretary of Staff of French Hospital, 1941-1942; Theta Beta, National Honor Biology Society; Fellow of the Gorgas, Louisiana State University, 1936.

Major Field of Research: Medicine.

Virginia B. Fogarty, B.S. in M.T. — Medical Technologist in Charge of Laboratories

B.S., in M.T., Loyola University, 1941.

Registered Medical Technologist, American Society of Clinical Pathologists, 1941; Medical Technologist, North Louisiana Sanitarium, Shreveport, La., 1941; Medical Technologist, The Children's Clinic, Shreveport, La., 1941-1942; Medical Technologist, Southern Baptist Hospital, New Orleans, La., 1942; Medical Technologist, Loyola University, 1942—.

Membership in Learned Societies: Theta Beta, National Honor Biology Society; Beta Epsilon Upsilon, National Medical Technology Society.

Major Field of Research: Clinical Pathology.

Juanda Bonck, A.B., M.S. — Instructor of Biology

A.B., Brenau College, 1939; M.S., Tulane University, 1942.

Graduate Assistant, Tulane University, 1940-1942; Instructor in Biology, Loyola University, 1942—.

Major Field of Research: Botany and Plant Ecology.

# GENERAL STATEMENT

**History** The Department of Medical Technology was founded September 15, 1935. On August 29, 1936, the Department was fully accredited by the Council on Medical Education and Hospitals of the American Medical Association, and by the Board of Registry of the American Society of Clinical Pathologists.

**Location** The Department of Medical Technology is located on the Campus of Loyola University, which is situated at 6363 St. Charles Avenue, in the heart of the residential section.

**Dormitory Facilities** Women students may find living accommodations at Ursuline College (for women), which is in easy walking distance of the Loyola University campus. The rate for dormitory room and board is one hundred and sixty dollars per semester. Laundry costs fifteen dollars per semester. Private rooms range from fifty to one hundred dollars, in addition to the dormitory rate, per semester.

Men may obtain rooms in the University's residences. Rates for rooms range from ten to twelve dollars a month. Meals may be obtained from the University's Cafeteria at reasonable rates.

**Student Organizations** To encourage the more ambitious student and to honor him, there are various societies and fraternities.

**Sodality of the Blessed Virgin Mary** For the purpose of fostering religious faith and fervor, and to encourage ambitious students to spiritual and scholastic leadership, the University Sodality offers many opportunities for personal development. as well as training and practice in social work and religious activity. Weekly meetings are held for the discussion of phases of Catholic life, and bi-weekly the Sodality gathers in the Louise Thomas Memorial Chapel to recite the office of the Immaculate Conception and receive Holy Communion in a body.

**Student Council** The Student Council consists of eighteen members, representing the College of Arts and Sciences, the Schools of Law and Dentistry, and the Colleges of Pharmacy and Music. These members, students, are selected by the stu-

dent-body, with the approval of the Faculty, from each of these groups. The duty of the Council is to unify student thought and action. It conducts general meetings and elections, sponsors and manages interclass contests, helps the student publications, and leads and directs student activities.

**Debating Club** Students participate weekly in exercises of public speaking. To further this activity among the students and to develop special oratorical talent, a Debating Club has been formed, which conducts debates with colleges and universities in various sections of the country.

**Thespian and Literary Society** The purposes of the Thespians is to develop and give an outlet to the dramatic talent of the students. With this object in view, several plays are given during the year.

**Glee Club** The Loyola Glee takes an active part in the public entertainments and assemblies of the university, and has a schedule of concerts it gives each year for public receptions and for radio programs over the Loyola Broadcasting Station, WWL.

**University Band** Membership in the University Band is open to all students who have the required training and ability. All who become members are expected to be regular and prompt in attendance at the appointed rehearsals.

**Student Publications** The students of the University, under Faculty supervision, publish the *Maroon*, a weekly, the editor of which is appointed by the Faculty Committee on Student Publications, and he in turn appoints the editorial staffs. The business management is in the hands of the students. Thus, their various duties in the editorial, reportorial, advertising and subscription departments render them familiar with phases of life outside of college that will be of benefit to them in their future careers.

**Scientific Societies and Fraternities** The Biology, Chemistry, Physics, and Mathematics Societies meet regularly for the discussion of special problems and for special lectures on scientific subjects. Students are eligible to membership in these societies subject to the special requirements for admission to each respective society.

Medical Technology students are also eligible to membership in the honorary and the Greek letter fraternities that are active on the campus, such as Blue Key, Alpha Sigma Nu, Upsilon Beta Lambda, Alpha Delta Gamma, Sigma Alpha Kappa, Theta Beta, Beta Epsilon Upsilon.

**Entrance Procedure** Applicants for admission to the Freshman class as candidates for a degree must be of good moral character and present evidence of the satisfactory completion of four years of high school work, or its equivalent.

At least fifteen standard high school units are required, nine of which are listed under the Unit Requirements for Admission. (See page 18.) The remaining units must be chosen from the list of Elective Units, with this double limitation: that of these electives, not more than three units in vocational subjects will be accepted, and no credit will be allowed for less than two years in any foreign language.

Application for admission accompanied by proper credentials shall be filed with the Registrar at least two weeks in advance of the date of registration. Applications and credentials presented later than two weeks before the opening of the semester will not be considered, except when, in the opinion of the Committee on Admission, there is a very worthy reason for doing so. It is obligatory to submit on entrance official records from all schools previously attended. These credentials are to be sent directly by the proper officer of the school in which they were earned, and not through the student. Credentials which are accepted for admission become the property of the University and are kept permanently on file. Blank forms for entrance certificates may be had on application to the Registrar.

It is recommended that the applicants have their credentials sent to the Registrar immediately after graduation from High School. This will enable the Committee to pass on their eligibility and to inform them of any deficiencies that must be made up in Summer School.

The University reserves the right to refuse admission to applicants whose preparatory work is of such a grade as to create doubt regarding their ability to pursue college work successfully.

All students are expected to be matriculated before the opening of the session, thus allowing ample time to be assigned to class, and be provided with laboratory equipment.

Students are expected to be present on the opening day of classes. No student will be admitted under any circumstances after the first ten days.

**Methods of Admission** *Admission by Certificate*—Admission without examination, on certificate, is granted to students from secondary schools accredited by any recognized standardizing agency, or by the State Board of Education, or by the State University of the State in which the high school is located.

*Admission to Advanced Standing*—Advanced Standing will be given, at the discretion of the Committee on Undergraduate Studies, to an applicant who fulfills the high school requirements for admission, and who presents a transcript from the proper officials of another institution of accredited collegiate rank. Such credits are granted conditionally, and will become final only after the student does satisfactory work.

Students applying for Advanced Standing should have a full transcript of their credits sent to the Registrar of the University in advance of their registration.

**Unit Requirements For Admission** Preparation qualifying for admission to University courses is expected to cover normally a period of four years in a secondary school (High School or Academy). Admission credits are stated in terms of units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. Two hours of laboratory work are equivalent to one hour of prepared classroom work.

Not more than four units are accepted in one subject. At least two units must be offered in any one foreign language.

1. The following units are required:

| | |
|---|---|
| English | 3 |
| Mathematics | 1 |
| History | 2 |
| Latin or Modern Language | 2 |
| Laboratory Science (Physics, Chemistry, Botany, Zoology) | 1 |

2. In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from the following groups, with the exception that not more than *three* units may be offered from Group B, and not more than *one* unit from any single subject in that group.

### Group A

| | Units | | Units |
|---|---|---|---|
| English | 1 | Trigonometry | ½ |
| Latin | 1 - 4 | Botany | ½ - 1 |
| Greek | 1 - 4 | Chemistry | 1 |
| French | 1 - 4 | Biology | 1 |
| German | 1 - 4 | General Science | ½ - 1 |
| Spanish | 1 - 4 | Physics | 1 |
| History | 1 - 3 | Physiology | ½ |
| Civics | ½ - 1 | Zoology | ½ - 1 |
| Economics | ½ - 1 | | |

### Group B

| | Units | | Units |
|---|---|---|---|
| Bookkeeping | 1 | Drawing | 1 |
| Commercial Law | ½ | Music | 1 |
| Commercial Arithmetic | ½ | Typewriting | ½ |
| Commercial Geography | ½ | Stenography | ½ |

## STUDENT EXPENSES

**Payments** Science fees must be paid at the beginning of the school year. The basic fee may be paid in two installments, but this must be done at the beginning of each semester.

Unless all indebtedness is promptly paid, the student will not be admitted to regular classes, nor be allowed to take any examinations.

It is the duty of each student who applies for registration to come prepared to meet his financial obligations according to these rules. The University is unwilling to make exceptions for any student.

### List of Fees

| | |
|---|---|
| Basic fee for scholastic year | $175.00 |
| For each science carried per scholastic year | 25.00 |
| Graduation fee | 25.00 |

Each student may rent an individual locker for $2.00 a year.

A fee of $2.00, payable in advance, will be charged for every examination taken out of course.

A fee of $2.00 will be charged for late registration.

A fee of $1.00 will be charged for a second transcript of credits.

## ADMINISTRATIVE PROCEDURE

**The College Year** Instruction begins in the third week of September on the day specified in the Calendar. Instruction includes thirty-four weeks divided into two semesters of seventeen weeks each. There is a recess at Christmas and at Easter. Instruction is suspended on legal holidays and on holy days of obligation observed in the Catholic Church.

**Instruction** The unit of instruction is one hour a week for one semester. Two hours of work in the laboratory are considered equivalent to one hour of recitation. Students may receive credit only for the number of hours published with a course. No credit will be allowed for a course for which a student is not regularly registered.

Attendance as auditors is not granted to regular students without written permission of the Dean.

**Withdrawal** A student withdrawing from the College during any semester before the final examination forfeits credit for work done in that semester. If a student withdraws from a course without permission of the Chairman of the Department, or if he absents himself from the lectures or laboratories in a course a sufficient number of times to be excluded automatically from the course, or if he fails to report to the Registrar's office that he has withdrawn from a course, or that he has been excluded automatically from the course, he shall be fined $2.00, and shall be given a grade of "F" for the course. It is required as a condition of honorable dismissal that students who wish to withdraw from the University shall obtain permission to do so on blanks furnished by the Registrar.

**Attendance** All students must attend assemblies, classroom and laboratory exercises regularly. They will be charged with all absences except such as are incurred through University action. Students who are absent from exercises on the day preceding or on the day following any college recess or vacation will be marked with two absences for each exercise missed, unless permission has been previously asked for and granted by the Regent.

A student will be dropped from a course when he incurs three unexcused absences during a semester.

Cases of absence due to serious illness or other extraordinary causes must be referred to the Regent.

Excused absence does not exempt a student from quizzes, tests, examinations, or other written work required during the period of absence. The responsibility of making up work or taking omitted tests rests wholly upon the student. A failure grade will be given if the student does not fulfill these obligations.

Excused absences do not exempt from quizzes, tests, or written work required during the period of absence. The responsibility for making up work or taking omitted tests rests wholly upon the student. Failure grade will be given where this is neglected.

If a student is tardy three times, or tardy once for more than fifteen minutes, he incurs an absence.

**Discipline** The educational system of this University includes, as one of its most important features, the formation of character. It is expected that each student will be so loyal to the spirit and ideals of his Alma Mater that the exercise of proper self-control will come from his own convictions and free determination.

The College rules and regulations are meant as a guide and help to foster that gentlemanly conduct which is presupposed in every Loyola student. These rules require regular and punctual attendance at all scheduled exercises, obedience to college customs and regulations, serious application to study, and blameless conduct. A student who shows himself deficient in these essential points will be suspended or dismissed.

The University reserves the right to dismiss at any time a student who fails to give satisfactory evidence of earnestness of purpose and of interest primarily in the serious work of college life. Dismissal may be made without specific charges, and, in rare cases, perhaps on grounds that will seem insufficient to students and parents. The University, in these cases, holds itself to be the more capable judge of what affects the interests of the institution and the student-body.

**Health** Each student must present himself to the Department of Health Service for a medical and dental examination at the opening of school. Record cards indicating defects, weaknesses, etc., will be kept, and the student will be advised as to the proper methods of removing these obstacles to health and improving his physical conditions.

Each student must be vaccinated before admission, unless he can furnish proof that he has been vaccinated recently.

**Examinations** One written test and one examination are required in each subject each semester. Weekly quizzes may be given at the discretion of the professors. The result of the examinations, combined with the grade for the student's class and laboratory work and tests, will determine the final or passing grade for the semester.

A student will not be permitted to take the semester examination in a course unless he has fulfilled the following requirements:

1. He must have taken the required mid-semester test and completed all assigned work in the course during the semester.
2. He must have made at least an average grade of "D," computed by combining in proper percentages his grades for all tests, quizzes, laboratory work, and other assigned matter.
3. He must have attended the required number of classes, lectures, and laboratory periods.

The passing grade in the Department of Medical Technology is "D." The student obtaining this grade or above receives credit for the number of semester hours allowed for that portion of the course.

A grade of "E" represents a condition. This condition may be removed only by examination. Only one such examination is allowed, and only on the day assigned by the Dean. If the student is successful in the examination, he receives the full credit of semester hours, but the highest average allowed for his permanent record for this subject is "D." If the student fails to make a "D" in this examination, the condition becomes a failure, and the course must be repeated.

Students absent from any examination, unless for the very gravest of reasons approved by the Regent, will receive a failure grade in that course.

For each condition examination, and for each regularly scheduled examination taken out of course, a fee of $2.00 will be charged.

**Reports.** Reports containing a record of the student's class standing and attendance are sent to parents or guardians. Special reports are made when it is deemed advisable, or upon special request.

Grades are reported as follows:

Grades—A, 93-100; B, 85-92; C, 77-84; D, 70-76; E, 55-69 (condition); F, 0-54 (failure); FE, failure because of excessive absence; FS, failure because of pre-examination scholastic deficiency; W, withdrew from course with permission; WF, failure because of withdrawal from course without faculty permission.

**Classification of Students** Those students are ranked as Sophomores who have at least forty-two quantity points; Juniors, those who have eighty-six quantity points; Seniors, those who have one hundred and twenty-eight quantity points.

Any student who enters his Senior year with a condition will have to remove the condition within one month after the opening of the first semester.

Students not included under the above classifications are rated as out of course.

**Scholastic Standing** A student who does not pass two-thirds of his credit hours carried in each term will be dropped for scholastic deficiencies.

A student who fails in one-third or less of the credit hours carried may be placed on *probation* for the next term if his general average of grades shows a general weakness.

Students on probation carry a reduced schedule.

**Eligibility Rules** Students taking part in dramatic performances, public debates, oratorical or elocution contests, or intercollegiate athletic contests, and those who are appointed to the staffs of the University publications, as well as the officers of student organizations, are subject to the following eligibility rules:

1. They must be enrolled each semester in at least twelve semester hours of work in regular or special courses as defined in the curriculum of the University.

2. They must have passed at least twelve hours of the work in which they were enrolled for the last semester in residence.

3. They must not be under official censure of any kind.

**Degree Conferred** The degree of Bachelor of Science in Medical Technology is conferred by the College of Arts and Sciences on the satisfactory completion of the required work in the Department of Medical Technology.

## REQUIREMENTS FOR GRADUATION

**General Requirements** The conditions for the Baccalaureate degree are the following:

1. The satisfactory completion of the four-year course leading to the degree for which the student is a candidate.
2. The candidate for a degree shall pass successfully a comprehensive examination in the field of Medical Technology during the first week in April of the year in which it is expected that the degree will be conferred.
3. To be accepted for credit in fulfillment of any requirement for a degree, all work must be completed with at least the grade D, and a grade of C or better must be made each semester in every upper division subject taken by the student in his major area, in his restricted minor area, and in his unrestricted minor area.
4. The payment of all indebtedness to the University, including the graduation fee, in advance.
5. No student shall be considered a candidate for a degree if he has any deficiencies at the beginning of the second semester of his Senior year.
6. All applicants for a degree must file in the Registrar's office, during the fourth week of September of their Senior year, a formal application for their degree.
7. All candidates must be present at the Commencement Exercises and receive their degree in person. No excuse, except that of serious illness attested by a reputable physician, will be accepted. The University will not confer degrees *in absentia.*

**I. Amount of Work** To receive a Baccalaureate degree, a student is required:

1. To complete 165 semester hours of work, and to secure 165 quality points that is, an average rating of C grade or better in all subjects.
2. A certain amount of prescribed work must be done. (See "Character of Work.")
3. In selecting the elective work, the Major and Minor requirements must be kept in mind.
4. Free electives, which afford opportunity either for broader culture or for greater specialization, as the student may choose, must be taken to the amount required to complete 165 semester hours.

**II. Quality of Work** A candidate for a degree must present not only the required quantity of work, but he must attain a certain standard of excellence in his work, especially in his Major Field. For this reason, the candidate for a Bachelor degree must present, in addition to the 165 semester hours of credit, 165 credit points for quality of work, or an average mark in all subjects of C or better.

Credit points are earned in the following manner: For the grade of A in a given course, the student receives *three* times as many quality points as semester hours credit allowed for that course; for a grade of B, *twice* as many quality points as semester hours; for the grade of C, *just as many* quality points as semester hours. For the grade of D, quantity points are allowed, but no quality points.

**Graduation Honors** Graduation honors are computed according to the "quality point system." The points are assigned as follows: For each semester hour of grade A, plus 3 points; B, plus 2; C, plus 1; D, 0; E, minus 1; F, minus 2. The average is obtained by dividing the number of points earned by the total number of semester hours carried.

A candidate who has made an average of 2.5 graduates *"cum laude";* one who has made an average of 2.8, *"magna cum laude";* one who has made an average of 3, *"maxima cum laude."* Record of these honors is inscribed on the diploma and noted in the published lists of graduates at commencement.

## III. CHARACTER OF WORK*

### FIRST YEAR

| Course No. | | Subjects | Sem. Hrs. |
|---|---|---|---|
| Bl. | 105 | Biology: Invertebrate Zoology | 4 |
| Bl. | 106 | Biology: Vertebrate Zoology | 4 |
| Ch. | 101-2 | Chemistry: General Inorganic | 8 |
| Gr. | 101-2 | German (or French) | 6 |
| En. | 101-2 | English: Freshman Composition | 6 |
| Md. | 101-2 | Medical Technology | 8 |

### SECOND YEAR

| Course No. | | Subjects | Sem. Hrs. |
|---|---|---|---|
| Bl. | 201 | Biology: Comparative Anatomy | 4 |
| Bl. | 202 | Biology: Embryology | 4 |
| Ch. | 201-2 | Chemistry: General Organic | 8 |
| Gr.. | 201-2 | German (or French) | 6 |
| Pl. | 201-4 | Philosophy | 8 |
| Md. | 201-2 | Medical Technology | 8 |
| En. | 201-2 | English | 6 |

### THIRD YEAR

| Course No. | | Subjects | Sem. Hrs. |
|---|---|---|---|
| Bl. | 301 | Biology: Bacteriology | 4 |
| Bl. | 302 | Biology: Histology | 4 |
| Ch. | 301-2 | Chemistry: Inorganic, Qual. and Quan. Analysis | 8 |
| Pl. | 301-2 | Philosophy | 8 |
| Md. | 301-2 | Medical Technology | 16 |
| En. | 201-2 | English Literature | 6 |

### FOURTH YEAR

| Course No. | | Subjects | Sem. Hrs. |
|---|---|---|---|
| Bl. | 303-4 | Biology: Physiology | 8 |
| Bl. | 305 | Biology: Parasitology | 4 |
| Bl. | 306 | Biology: Microtechnic | 4 |
| Cr. | 309-10 | Chemistry: Elementary Biological Chemistry | 7 |
| Md. | 390-91 | Medical Technology | 16 |

*All Catholic students are required to take two hours of Religion each week. In order to qualify for the Registry Examination of the American Society of Clinical Pathologists, an additional interneship of twelve months, following graduation, must be served in an accredited laboratory of clinical pathology.

# DEPARTMENTS OF INSTRUCTION

The courses of instruction are numbered in accordance with a plan uniform throughout the University.

(a) Lower division courses, numbered from 100 to 199, are introductory. They are open to Freshmen and to Sophomores.

(b) Lower division courses, numbered from 200 to 299, are more advanced. For these courses, introductory training in the same or allied subjects is a prerequisite.

(c) Upper division courses, numbered from 300 to 399, are intended for undergraduate students of Junior or Senior standing.

(d) Odd numbers indicate courses given in the first semester, from September to January; even numbers indicate those given in the second semester, from January to May.

Each course number is preceded by its departmental designation.

## DEPARTMENT OF BIOLOGY

Dr. Arnold, Chairman Dr. Moore, Acting Chairman

Mr. Merilh Mr. Duggan Miss Bonck

**Bl. 105. Invertebrate Zoology.** A study of the underlying principles of animal life. The taxonomy, morphology, physiology, life history, habits, and distribution of the invertebrate group (Protozoa, Porifera, Coelenterata, Platyhelminthes, Nemathelminthes, Echinodermata, Annelida, Mollusca, and Arthropoda) are considered.

Two lectures and two laboratory periods. 4 sem. hrs.

Offered every year.

**Bl. 106. Vertebrate Zoology.** A study of the taxonomy, morphology, physiology, life history, habits, and distribution of vertebrate animals. Reference is made to the lower chordate animals. Embryology, Genetics, and Ecology are considered briefly.

Two lectures and two laboratory periods.

Prerequisite: Biology 104. Offered every year. 4 sem. hrs.

**Bl. 201. Comparative Anatomy of the Vertebrates.** An intensive study of type forms as a preparation for human anatomy.

Two lectures and two laboratory periods.

Prerequisite: Bl. 105-106. Offered every year. 4 sem. hrs.

**Bl. 202. General Embryology.** A study of the origin and maturation of germ cells, fertilization and the formation of germ layers in certain typical vertebrate and invertebrate animals. Knowledge of the development of the systems of a vertebrate is obtained through an intensive study of the development of the chick.

Two lectures and two laboratory periods.

Prerequisite: Bl. 201. Offered every year. 4 sem. hrs.

**Bl. 301. Bacteriology.** This course embraces bacteriological technique, the classification and the study of the properties of important non-pathogenic and pathogenic bacteria. The principles of immunity and serology and a brief study of protozoal parasites and filterable viruses are also considered. Urine, gastric, milk, and water analysis comprise this course.

Two lectures and two laboratory periods.

Prerequisite: Bl. 105-106, 201-202.

Offered every year. 4 sem. hrs.

**Bl. 302. General Histology and Microscopy.** Histological technique, the study of microscopic structure of tissues and organs of the mammalian body, and the study of the fundamentals of blood counting.

Two lectures and two laboratory periods.

Prerequisite: Bl. 301. Offered every year. 4 sem. hrs.

**Bl. 303-304. General Physiology.** The study of the normal function of tissues and organs of animal forms. Special emphasis is laid on the mammalian type in order to better understand human physiology.

Two lectures and two laboratory periods.

Prerequisite: Bl. 201. Offered every year. 8 sem. hrs.

**Bl. 305 Animal Parasitology.** A study of parasites in relation to disease. The various types of parasites, their life histories, and the conditions which they cause will be considered.

Two lectures and two laboratory periods.

Prerequisite: Bl. 105-106, 201-202.

Offered every year. 4 sem. hrs.

**Bl. 306. Animal Microtechnic.** A course in the principles and methods of preparing animal material for microscopical study. The student is given practice in fixing, embedding, sectioning, staining, and mounting tissues; the preparation of whole mounts.

One lecture or conference, and at least six laboratory hours a week.

Prerequisite: Bl. 305. Offered every year. 4 sem. hrs.

**Bl. 310. Pothier Seminar.** The seminar is composed of the staff and of students majoring in Biology, as well as others interested in the subject. The work of the seminar consists in the reading and discussion of papers on biological subjects by the members, and lectures by prominent scientists.

Offered every year. No credit.

**Bl. 390-391. Biological Problems.** This is a course to allow the student to carry on advanced biological work under faculty supervision.

Prerequisite: Three years of Biology.

Offered every year. Credit determined by work done.

## DEPARTMENT OF CHEMISTRY

Rev. Francis, S.J., Chairman

Mr. Bailey Mr. Schuyten

**Ch. 101. General Inorganic Chemistry.** Fundamental principles of Chemistry; the laws of chemical action and a description of the metallic and non-metallic elements and their compounds.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

**Ch. 102. General Inorganic Chemistry.** A detailed study of the metallic elements and their salt formations, solution, ionization, precipitation, and qualitative analysis. Detection of the common cations and anions, based on the application of chemical principles.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

**Ch. 201. Organic Chemistry.** Discussion of the important compounds of aliphatic and aromatic series and preparation of typical compounds.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

**Ch. 202. Organic Chemistry.** A continuation of Ch. 201.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

**Ch. 301. Inorganic Qualitative Analysis.** A study of anions and cations—their identification.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

**Ch. 302. Inorganic Quantitative Analysis.** Gravimetric and volumetric methods.

One lecture and three laboratory periods.

Offered every year. 4 sem. hrs.

**Ch. 309-310. Elementary Biological Chemistry.** A study of the chemical constituents of the body. The chemistry and functions of the carbohydrates, fats, proteins, vitamins, and mineral elements of foods.

Offered every year. 7 sem. hrs.

## DEPARTMENT OF ENGLISH

Rev. O'Connor, S.J., Chairman

Mr. Eberle Rev. Quirk, S.J. Dr. Horne

Rev. Maher, S.J.,

**En. 001-002. English Composition.** A course devoted to the practice of *correct* writing. This is a laboratory course conducted one hour a week, and required of all Freshmen. Upper classmen who are deficient in oral or written composition may be obliged to follow this course.

Offered every year. No credit.

**En. 101. Freshman Composition.** Principles of *effective* writing. Exercises in précis work, essays, speeches.

Offered every year. 3 sem. hrs.

**En. 102. Freshman Composition.** Principles of *artistic* writing. Exercises in narrative and descriptive forms, and the familiar essay.

Offered every year. 3 sem. hrs.

**En. 201 A Survey of English Poetry and Prose** Political, intellectual, and religious background from Beowulf to the Romantics. The course is required of all Sophomores. Offered every year. (I) 3 sem. hrs.

**En. 202 A Survey of English Poetry and Prose** From the Romantics to the present day. This course is required of all Sophomores. Offered every year. (II) 3 sem. hrs.

## DEPARTMENT OF MEDICAL TECHNOLOGY

Dr. Arnold, Chairman Dr. Moore, Acting Chairman
Dr. Nix, Dr. Maher, Dr. Bowden, Mr. Duggan, Dr. Gaudet,
Miss Guiffria Dr. Hauser Mr. Merilh Dr. Kron
Dr. Delery, Miss Ujffy, Miss Goetz,
Mrs. Fogarty

**Md. 101-102.** A course to acquaint the prospective Medical Technician with the care of the equipment of the laboratory and the ethics of the profession. A study of the fundamentals of hematology is included.
Offered every year. 8 sem. hrs.

**Md. 201-202.** A course to acquaint the student Medical Technician with the fundamentals of urinalysis, fecal analysis, and further studies in hematology. This course will not be allowed as practical experience.
Offered every year. 8 sem. hrs.

**Md. 301-302.** This is a course which allows the student Medical Technician to perfect the technique essential to the practical laboratory training which is to follow.
Offered every year. 16 sem. hrs.

**Md. 390-391.** This course consists of practical laboratory experience in the following subjects:

| | |
|---|---|
| Urinalysis | Gastro-Enterology |
| Hematology | Pathogenic Bacteriology |
| Serology | Basal Metabolism |
| Tissue Sections | Electrocardiography |
| Parasitology | Museum Preparation Technique |

Gross and Microscopic Photography
Offered every year. 16 sem. hrs.

## DEPARTMENT OF MODERN LANGUAGES

Dr. Amiel, Chairman
Rev. Soniat, S.J.
Dr. von Kalinowski Dr. Peiser Dr. DeMorelos
Rev. Callens, S.J., Rev. Coyle, S.J.

### A. French

**Fr. 001-002. Elementary.** Fundamentals of grammar. Careful drills in pronunciation. Emphasis on the inflection of the verb. Writing from dictation. Offered every year. 4 sem. hrs.

**Fr. 101-102. First Year College.** Drill in the French verb. Emphasis on the irregular verbs. Thorough review of syntax, with emphasis on the moods and tenses. Drill in sentence and paragraph building. Writing from dictation. Sight reading.
Offered every year. 6 sem. hrs.

**Fr. 201-202. Second Year College.** Composition. Reading from prose authors and poets; brief readings from scientific authors. Advanced grammar. Conversation.
Offered every year. 6 sem. hrs.

### B. German

**Gr. 001-002. Elementary.** Fundamentals of grammar. Oral and written exercises. Reading, easy conversation.
Offered every year. 6 sem. hrs.

**Gr. 101-102. First Year College.** Grammar review. Oral and written exercises. Reading of German prose fiction and scientific texts. Offered every year. 6 sem. hrs.

**Gr. 201-202. Second Year College.** Composition. Reading from prose writers and poets; brief readings from scientific authors. Advanced grammar. Conversation.
Offered every year. 6 sem. hrs.

## DEPARTMENT OF PHILOSOPHY

Rev. Shields, S.J., Chairman
Rev. St. Paul, S.J. Rev. Janssen, S.J. Rev. Mullin, S.J.
Rev. Babb, S.J.

**Pl. 201. Dialectics.** Definition and division of Philosophy. Natural and Scientific Logic. Material elements of Logic. Acts of the mind; nature of these acts, their kind, properties and external expression. Formal elements of Logic. Forms of argumentation. Fallacies. Offered every year. 2 sem. hrs.

**Pl. 202. Epistemology.** The study of truth, logical and moral; falsity. The study of the mind in relation to truth. Ignorance; Doubt; Opinion. Nature and kinds of Certitude. Skepticism. Agnosticism; Materialism; Positivism; Idealism; Rationalism; Traditionalism; Criteria of Truth.
Offered every year. 2 sem. hrs.

**Pl. 203. Cosmology.** The origin of the world. Monism. Pantheism. Materialism. Creation: formation and finality of the world. The constructive properties of bodies. Atomism. Dynamism. Hylomorphism. Substantial changes. The laws of nature. Miracles: definition, possibility, cognoscibility.
Offered every year. 2 sem. hrs.

**Pl. 204. Ontology.** Being its objective concept. Essence. States of being; existence; possibility, internal and external. Source of internal possibility. Kinds of Being: substance and accident. Distinction between nature and persons. Attributes of Being. Principles of Causality.
Offered every year. 2 sem. hrs.

**Pl. 301. Psychology.** Life in general; empirical observation of vital action; the power of self-motion; purposive activity; immanency of action; scholastic concept of life; the three essentially different grades of life; the prime principle of life. Theory of Evoluton. A study of the human soul. Refutation of false theories on the Ego advocated by Kant, Hume, Mill, and James. Refutation of various monistic theories about the psycho-physical activities of man. Refutation of Anthropologic Evolution. Offered every year. 2 sem. hrs.

**Pl. 308. Theodicy.** Atheism, Agnosticism, Pantheism, Deism, Theism. The existence of God. Refutation of Descares and Leibnitz, Kant, and the Traditionalists. The essence of God. The divine attributes. God and the world. The materialistic and Pantheistic concept of God.
Offered every year. 2 sem. hrs.

**Pl. 311-312. Ethics.** Definition, nature, objects, and necessity of Ethics. Subjective and objective ultimate end of man. Human action, its merit and imputability. Norm of Morality, true and false. Man's duty to his Creator; to himself; to his neighbor. Duties to property. Society: domestic, civil, international, religious. Offered every year. 4 sem. hrs.

## DEPARTMENT OF PHYSICS AND MATHEMATICS

Rev. Maring, S.J., Chairman
Dr. Fleddermann Mr. Monasterio Mr. Daspit

### A. Physics

**Ph. 201. General Physics.** The fundamental principles of mechanics, sound, and light.
Two lectures and two laboratory periods.
Offered every year. 4 sem. hrs.

**Ph. 202. General Physics.** The principles of heat, magnetism, and electricity.
Two lectures and two laboratory periods. 4 sem. hrs.

### B. Mathematics

**Mt. 001-002.** A review course in High School Algebra, Geometry and the Fundamental Principles of Trigonometry.
Offered every year. No credit.

**Mt. 101. College Algebra.** Logarithms, Slide Rule, Simultaneous Quantities, Theory of Equations, Combinations and Permutations, Mathematical Induction, Binomial Theorem, Determinants, Progression, Infinite Series, Partial Fractions.
Offered every year. 3 sem. hrs.

**Mt. 102. Plane Trigonometry.** Trigonometric Functions of Acute Angles, use of the Table of Natural Functions, the Right Angle; Trigonometric Functions of Any Angle, Functions of the Sum or Difference of Two Angles, the Oblique Triangle, Graphs of Functions, Trigonometric Identities and Equations, application of Trigonometry to Algebra.
Offered every year. 3 sem. hrs.

## DEPARTMENT OF RELIGION

Rev. Cassidy, S.J., Chairman
Rev. Needham, S.J. Rev. Hatrel, S.J.

**Rl. 101-102. The Moral Idea.** The great Commandment; Charity and the works of mercy; Human life and modern conditions; modern industrial problems; Social Justice; Citizenship; the Moral Law. Offered every year. 2 sem. hrs.

**Rl. 201-202. Dogma and the Commandments.** The future life; Man's Origin, Elevation, Fall, and Redemption; the Commandments; Revelation, Faith, and Life.
Offered every year. 2 sem. hrs.

**Rl. 301-302. The Church and the Scriptures.** The Church: its laws and policies, its teachings and functions; the question of Miracles; the credentials of the Church; the Church and the Modern State. Offered every year. 2 sem. hrs.

**Rl. 401-402. Life Problems.** The practice of broad-mindedness; life motives; choosing a life work and a life mate; the part of parents; the use of leisure; special questions.
Offered every year. 2 sem. hrs.